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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/694,643	10/23/2000	Chung Chan	MTNC-103AX	9761

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WEINGARTEN, SCHURGIN, GAGNEBIN & LEOVICI LLP
TEN POST OFFICE SQUARE
BOSTON, MA 02109

EXAMINER

JACOBS, LASHONDA T

ART UNIT	PAPER NUMBER
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2157

12

DATE MAILED: 03/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/694,643

Applicant(s)

CHAN ET AL.

Examiner

LaShonda T. Jacobs

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 October 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5,6,8.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

This Office Action is in response to Applicant's Election Response to prosecute the invention of claims 18-20 and 21-27. Claims 1-17 and 28-31 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: note reference numeral references numerals 18 and 20 on pg. 11, lines 18-22; note reference numeral 84 on pg. 14, line 5; note reference numerals 112 and 114 on pg. 16, lines 16-18; note reference 20 on pg. 19, line 21. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: note reference numeral 46 of Fig. 8; note reference numeral 54 of Fig. 11; note reference numerals 262, 260, 280 and 282 of Fig. 13; note reference numeral 302 of Fig. 14 and note reference numeral 19, 24, 500 and 504. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: Figures 10, 18, 19 and 20 are not discussed in the detailed description of the invention.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claim 18 recites the limitation "said sender provided information" in line 21. There is insufficient antecedent basis for this limitation in the claim.

6. Claim 18 recites the limitation "the previous screen" in line 3. There is insufficient antecedent basis for this limitation in the claim.

7. Claim 18 recites the limitation "the next screen" in line 5. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 18-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ladd et al (hereinafter, "Ladd", 6,269,336) in view of Dennis.

Art Unit: 2157

As per claim 18, Ladd discloses a method for connecting an extended wireless handheld unit to a server comprising:

- said handheld unit initiating a call to said server (col. 3, lines 46-53, col. 4, lines 4-35, lines 39-48, col. 5, lines 20-28 and col. 6, lines 3-35);
- said handheld unit providing sender provided identification and security information to said server (col. 3, lines 46-53, col. 4, lines 4-35, lines 39-48, col. 5, lines 20-28, col. 6, lines 3-49);
- said server combining said handheld unit identification and said sender provided information to authenticate said sender (col. 3, lines 46-53, col. 4, lines 4-35, lines 39-48, col. 5, lines 20-28 and col. 6, lines 3-49);
- if the connection is new, using the sender's security information to enable access to enrolled databases and services sender (col. 3, lines 46-53, col. 4, lines 4-35, lines 39-48, col. 5, lines 20-28 and col. 6, lines 3-64); and
- welcoming the user (col. 6, lines 3-64).

However, Ladd does not explicitly disclose:

- if the connection is a continuation of a previous connection that terminated abnormally, checking whether a complete screen had been sent;
- resending the previous screen when a complete screen had not been sent;
- sending the next screen of a sequence of screens had when further screens remain to be sent; and
- waiting for sender input.

Dennis discloses a system and method for collecting and managing personal information including:

- if the connection is a continuation of a previous connection that terminated abnormally, checking whether a complete screen had been sent (pg. 10, lines 3-21 and pg. 12, lines 5-23);
- resending the previous screen when a complete screen had not been sent (pg. 10, lines 3-21 and pg. 12, lines 5-23);
- sending the next screen of a sequence of screens had when further screens remain to be sent (pg. 10, lines 3-21 and pg. 12, lines 5-23); and
- waiting for sender input (pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to one of ordinary skill in the art to modify Ladd by specifying that the prompts be repeated if an error is detected before proceeding to the next prompts allowing a user a to receive information in a timely and efficient manner.

As per claim **19**, Ladd discloses:

- wherein a call is initiated by the server (col. 3, lines 46-53, col. 4, lines 4-35, lines 39-48, col. 5, lines 20-28 and col. 6, lines 3-35).

As per claim **20**, Ladd discloses:

- said server determining a location of said handheld unit (col. 4, lines 4-18).

However, Ladd does not explicitly disclose:

- modifying a response to a user request by said location information unless a specific location is incorporated in said request.

Dennis discloses a system and method for collecting and managing personal information including:

- modifying a response to a user request by said location information unless a specific location is incorporated in said request (pg. 8, lines 21-28 and pg. 9, lines 9-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by including cell sites, which serves a specific geographic area, and allows a network to communicate with a wireless device in order to modify information sent by the network to the device based on a user's location in a timely and efficient manner.

As per claim 21, Ladd discloses the invention substantially as claimed.

However, Ladd does not disclose a method for providing customized information to a user connected to a first server by a wireless extended handheld unit comprising:

- providing a personal database on said first server, said personal database area filled by said user.

Dennis discloses a system and method for collecting and managing personal information including:

- providing customized information to a user connected to a first server by a wireless extended handheld unit comprising providing a personal database on said first server, said personal database area filled by said user (pg. 7, lines 11-24, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by including a personal profile in a database on a server in order to include information about a user allowing the server to send information that best fits the user in a timely and efficient manner.

Art Unit: 2157

As per claim **22**, Ladd discloses the invention substantially as claimed.

However, Ladd does not explicitly disclose:

- wherein said personal database area is provided by a second server within a region, said first and second servers are interconnected by a high speed interconnects and a response-time from said personal database does not substantially vary depending on the location of said personal database.

Dennis discloses a system and method for collecting and managing personal information including:

- wherein said personal database area is provided by a second server within a region, said first and second servers are interconnected by a high speed interconnects and a response-time from said personal database does not substantially vary depending on the location of said personal database (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by including a personal profile in a database on a server in order to include information about a user allowing the server to send information that best fits the user in a timely and efficient manner.

As per claim **23**, Ladd discloses the invention substantially as claimed.

However, Ladd does not explicitly disclose:

- wherein said personal database area is provided by a second server within a territory comprising a plurality of regions, said first and second servers are interconnected by high speed interconnects and a response-time from said personal database does not substantially vary depending on the location of said personal database.

Dennis discloses a system and method for collecting and managing personal information including:

- wherein said personal database area is provided by a second server within a territory comprising a plurality of regions, said first and second servers are interconnected by high speed interconnects and a response-time from said personal database does not substantially vary depending on the location of said personal (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by including a personal profile in a database on a server in order to include information about a user allowing the server to send information that best fits the user in a timely and efficient manner.

As per claim 24, Ladd discloses:

- building a database of pre-selected data likely to be of interest to users of extending handheld devices (col. 10, lines 45-58, col. 17, lines 19-34, col. 23, lines 7-24, lines 57-65 and col. 24, lines 1-25); and
- adding to said database data in categories of information requested by said user (col. 10, lines 45-58, col. 17, lines 19-34, col. 23, lines 7-24, lines 57-65 and col. 24, lines 1-25).

However, Ladd does not explicitly disclose:

- updating a predetermined portion of said database from master sources at periodic intervals;
- monitoring said user's utilization of data in said database; and
- updating the data not in said predetermined portion but accessed with greater than a predetermined frequency from said master source at periodic intervals.

Art Unit: 2157

Dennis discloses a system and method for collecting and managing personal information including:

- updating a predetermined portion of said database from master sources at periodic intervals (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23);
- monitoring said user's utilization of data in said database (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23); and
- updating the data not in said predetermined portion but accessed with greater than a predetermined frequency from said master source at periodic intervals (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by specifying time intervals in which information from a server should be displayed on a device allowing a user to receive information in timely and efficient manner.

As per claim **25**, Ladd discloses the invention substantially as claimed.

However, Ladd does not explicitly disclose:

- analyzing the results of said monitoring said user's utilization of data to determine a time relationship with said access ; and
- updating data with said utilization time relationship a predetermined time before the expected utilization time.

Dennis discloses a system and method for collecting and managing personal information including:

Art Unit: 2157

- analyzing the results of said monitoring said user's utilization of data to determine a time relationship with said access (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23); and
- updating data with said utilization time relationship a predetermined time before the expected utilization time (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by specifying time intervals in which information from a server should be displayed on a device allowing a user to receive information in timely and efficient manner.

As per claim 26, Ladd discloses the invention substantially as claimed.

However, Ladd does not explicitly disclose:

- wherein said database is provided by a second server within a region, said first and second servers are interconnected by a high speed interconnects and a response-time from said database does not substantially vary depending on the location of said database.

Dennis discloses a system and method for collecting and managing personal information including:

- wherein said database is provided by a second server within a region, said first and second servers are interconnected by a high speed interconnects and a response-time from said database does not substantially vary depending on the location of said database (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by including a personal profile in a database on a server in order to include information about a user allowing the server to send information that best fits the user in a timely and efficient manner.

As per claim 27, Ladd discloses the invention substantially as claimed.

However, Ladd does not explicitly disclose:

- wherein said database area is provided by a second server within a territory comprising a plurality of regions, said first and second servers are interconnected by high speed interconnects and a response-time from said personal database does not substantially varying depending on the location of said database.

Dennis discloses a system and method for collecting and managing personal information including:

- wherein said database area is provided by a second server within a territory comprising a plurality of regions, said first and second servers are interconnected by high speed interconnects and a response-time from said personal database does not substantially varying depending on the location of said database (pg. 7, lines 11-24, pg. 8, lines 21-28, pg. 9, lines 9-23, pg. 10, lines 3-21 and pg. 12, lines 5-23).

Given the teaching of Dennis, it would have been obvious to modify Ladd by including a personal profile in a database on a server in order to include information about a user allowing the server to send information that best fits the user in a timely and efficient manner.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6, 687,734 to Sellink et al

U.S. Pat. No. 5,838,775 to Montalbano

U.S. Pat. No. 6,646,542 to Mardirossian

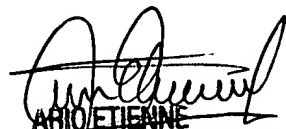
Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 703-305-7494. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-308-7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T. Jacobs
Examiner
Art Unit 2157

ltj
March 14, 2004


ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100